

Mohammed Y Emran

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,142
citations

393982

19
h-index

525886

27
g-index

27
all docs

27
docs citations

27
times ranked

604
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in sensory devices of pesticides, pathogens, coronavirus, and chemical additives and hazards in food assessment: Food safety concerns. <i>Progress in Materials Science</i> , 2022, 124, 100866.	16.0	44
2	Portable sensitive and selective biosensing assay of dopamine in live cells using dual phosphorus and nitrogen doped carbon urchin-like structure. <i>Chemical Engineering Journal</i> , 2022, 430, 132818.	6.6	32
3	Enzymeless copper microspheres@carbon sensor design for sensitive and selective acetylcholine screening in human serum. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 210, 112228.	2.5	11
4	Chipset Nanosensor Based on N-Doped Carbon Nanobuds for Selective Screening of Epinephrine in Human Samples. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101473.	1.9	15
5	Nitrogen-doped carbon hollow trunk-like structure as a portable electrochemical sensor for noradrenaline detection in neuronal cells. <i>Analytica Chimica Acta</i> , 2022, 1192, 339380.	2.6	21
6	Electrochemical sensors-based phosphorus-doped carbon for determination of adenine DNA-nucleobases in living cells. <i>Carbon</i> , 2021, 173, 1093-1104.	5.4	34
7	Non-metal sensory electrode design and protocol of DNA-nucleobases in living cells exposed to oxidative stresses. <i>Analytica Chimica Acta</i> , 2021, 1142, 143-156.	2.6	22
8	Silver nanowire size-dependent effect on the catalytic activity and potential sensing of H ₂ O ₂ . <i>Electrochemical Science Advances</i> , 2021, 1, e2000031.	1.2	9
9	A novel fluorescent sensor for fast and highly selective turn-off detection of Fe ³⁺ in water and pharmaceutical samples using synthesized azopyrazole-benzenesulfonamide derivative. <i>Journal of Molecular Structure</i> , 2021, 1225, 129175.	1.8	40
10	Selective monitoring of ultra-trace guanine and adenine from hydrolyzed DNA using boron-doped carbon electrode surfaces. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129192.	4.0	28
11	Influence of hollow sphere surface heterogeneity and geometry of N-doped carbon on sensitive monitoring of acetaminophen in human fluids and pharmaceutical products. <i>New Journal of Chemistry</i> , 2021, 45, 5452-5462.	1.4	14
12	Recycling of Nanosilica from Agricultural, Electronic, and Industrial Wastes for Wastewater Treatment. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 325-362.	1.4	13
13	Microporous P-doped carbon spheres sensory electrode for voltammetry and amperometry adrenaline screening in human fluids. <i>Mikrochimica Acta</i> , 2021, 188, 138.	2.5	19
14	Design of porous S-doped carbon nanostructured electrode sensor for sensitive and selective detection of guanine from DNA samples. <i>Microporous and Mesoporous Materials</i> , 2021, 320, 111097.	2.2	18
15	Rice Husk-Derived Nanomaterials for Potential Applications. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 541-588.	1.4	16
16	Three-Dimensional Circular Surface Curvature of a Spherule-Based Electrode for Selective Signaling and Dynamic Mobility of Norepinephrine in Living Cells. <i>ACS Applied Bio Materials</i> , 2020, 3, 8496-8506.	2.3	29
17	Ruthenium Nanoparticles Uniformly-designed Chemically Treated Graphene Oxide Nanosheets for Simultaneous Voltammetric Determination of Dopamine and Acetaminophen. <i>Electroanalysis</i> , 2020, 32, 2156-2165.	1.5	26
18	A well-thought-out sensory protocol for screening of oxygen reactive species released from cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 456-467.	4.0	58

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19	Facile synthesis of microporous sulfur-doped carbon spheres as electrodes for ultrasensitive detection of ascorbic acid in food and pharmaceutical products. <i>New Journal of Chemistry</i> , 2018, 42, 5037-5044.	1.4	62
20	Nanohexagonal Fe ₂ O ₃ Electrode for One-Step Selective Monitoring of Dopamine and Uric Acid in Biological Samples. <i>Electrocatalysis</i> , 2018, 9, 514-525.	1.5	64
21	Ultrasensitive in-vitro monitoring of monoamine neurotransmitters from dopaminergic cells. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 114-124.	4.0	83
22	One-step selective screening of bioactive molecules in living cells using sulfur-doped microporous carbon. <i>Biosensors and Bioelectronics</i> , 2018, 109, 237-245.	5.3	88
23	Design of hierarchical electrocatalytic mediator for one step, selective screening of biomolecules in biological fluid samples. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 529-542.	1.5	61
24	Broccoli-shaped biosensor hierarchy for electrochemical screening of noradrenaline in living cells. <i>Biosensors and Bioelectronics</i> , 2018, 100, 122-131.	5.3	113
25	3D Ridge Stocked Layers of Nitrogen-Doped Mesoporous Carbon Nanosheets for Ultrasensitive Monitoring of Dopamine Released from PC12 Cells under K ⁺ Stimulation. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701459.	3.9	53
26	Fabrication of photo-electrochemical biosensors for ultrasensitive screening of mono-bioactive molecules: the effect of geometrical structures and crystal surfaces. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7985-7996.	2.9	88
27	Hierarchical C-N doped NiO with dual-head echinop flowers for ultrasensitive monitoring of epinephrine in human blood serum. <i>Mikrochimica Acta</i> , 2017, 184, 4553-4562.	2.5	81